~~SECRET~~ CONFIDENTIAL

ENG-6-1246

Chief, Supplemental Programs Division, OC

9 November 1956

Chief, Engineering Division, OC

Ferrite Antenna - Contract RD-107, Task Order No. 3

1. Your letter, SPM 6-601, dated 2 October 1956 requested that the quantity of antennas deliverable under this task order be changed to five (5) tunable and twenty-five (25) broadband antennas.

2. The contractor was contacted and it was learned that parts for ten (10) tunable Ferrite Antennas had already been constructed. The contractor was therefore requested to change the quantities to ten (10) tunable and twenty (20) broadband. [redacted] has agreed to make this change without increase in cost.

25X1

25X1

OC-E/R&D-EP/TGW:mjr (9 November 1956)

cc: ~~R&D~~ Subject File
OC-E
Reading
Chrono
Dev-ep

DOC 10 REV DATE 1 1960 BY 064540
ORIG COMP 033 OPI 56 TYPE 02
ORIG CLASS S PAGES 3 REV CLASS C
JUST 22 NEXT REV 2010 AUTH: HR 70-2

~~SECRET~~ CONFIDENTIAL

STANDARD FORM NO. 64

~~CONFIDENTIAL~~

Office Memorandum • UNITED STATES GOVERNMENT

SPM 6-601

TO : Chief, Communications Engineering Division, OC **DATE:** 2 October 1956

FROM : Chief, Supplemental Programs Division, OC

SUBJECT: Ferrite Antenna [redacted] Contract RD-107, Task Order No. 3 25X1

1. During the last weeks of September, this Division had an opportunity to obtain a preliminary evaluation of the Ferrite antennas being developed by the subject contract. During this evaluation it was noted that the "tunable" unit was particularly deficient in its ability to discriminate signals. The tuning element receives signals from as low as HF broadcast band up to 2 kmc. This broad and irrational response defeated the original purpose of having a tunable antenna through the range of 50-250 mcs. It appears that the antenna as previously configured can only be used in areas of low ambient signal level.

2. It is requested, therefore, that the contractor be notified of our desire to accept only five tunable units and to change the quantity of "broad band" antennas from ten (10) to fifteen (15) for a total of twenty-five (25) broad band antennas.

25X1

[redacted]

Distribution
Orig & 1 - Addressee

~~CONFIDENTIAL~~

~~SECRET~~

~~SECRET~~

SPM 6-601
2 October 1956

Chief, Communications Engineering Division, OC

Chief, Supplemental Programs Division, OC

Ferrite Antenna - [redacted] Contract RD-107, Task Order No. 3 25X1

1. During the last weeks of September, this Division had an opportunity to obtain a preliminary evaluation of the Ferrite antennas being developed by the subject contract. During this evaluation it was noted that the "tunable" unit was particularly deficient in its ability to discriminate signals. The tuning element receives signals from as low as HF broadcast band up to 2 kmc. This broad and irrational response defeated the original purpose of having a tunable antenna through the range of 50-250 mcs. It appears that the antenna as previously configured can only be used in areas of low ambient signal level.

2. It is requested, therefore, that the contractor be notified of our desire to accept only five tunable units and to change the quantity of "broad band" antennas from ten (10) to fifteen (15) for a total of twenty-five (25) broad band antennas.

[redacted] 25X1

Distribution
Orig & 1 - Addressee

~~SECRET~~